IN THE CLAIMS

1 (Previously Presented). A method comprising:

demultiplexing at least one wavelength from a multiplexed optical signal; and

detecting said demultiplexed wavelength using an L-shaped detector.

2 (Original). The method of claim 1 including providing an angled reflector in the path of said multiplexed signal to reflect light of a first wavelength to a first detector and to pass light of a second wavelength.

3 (Original). The method of claim 1 including receiving said multiplexed optical signal over a waveguide and impressing said third wavelength on said waveguide.

4 (Original). The method of claim 1 wherein demultiplexing includes providing an integrated reflector with a detector of a first wavelength of said at least two wavelengths.

Claim 5 (Canceled).

6 (Previously Presented). The method of claim 1 including forming said detector on an electrooptical bench.

7 (Original). The method of claim 6 including providing a trench in said bench to receive a portion of said L-shaped detector.

8 (Original). The method of claim 6 including forming said reflector on the surface of said detector.

9 (Original). The method of claim 8 including forming said reflector by coating alternate layers of material on said detector.

10 (Original). The method of claim 8 including using said trench to position said detector on said bench.

11 (Original). The method of claim 7 including forming electrical connections from said bench to one portion of said L-shaped detector.

12 (Previously Presented). An optical system comprising:

a waveguide; and

a demultiplexer coupled to said waveguide to demultiplex at least one wavelength from a multiplexed optical signal on said waveguide, said demultiplexer including a photodetector to detect said wavelength wherein said demultiplexer includes an integrated reflector and an L-shaped photodetector, said photodetector to detect a wavelength passed by said reflector.

13 (Original). The system of claim 12 wherein said demultiplexer includes an angled reflector to reflect light of a first wavelength to a first detector and to pass light of a second wavelength.

14 (Original). The system of claim 12 wherein said multiplexer includes a laser coupled to a curved waveguide, said curved waveguide having a portion arranged proximately to said waveguide.

15 (Original). The system of claim 14 wherein said laser is coupled at one end of said curved waveguide and a power monitor is coupled to the other end of said curved waveguide.

Claims 16 and 17 (Canceled).

18 (Previously Presented). The system of claim 12 wherein said demultiplexer, said multiplexer, and said waveguide are formed on a planar substrate including a trench to receive one arm of said L-shaped photodetector.

19 (Original). The system of claim 18 wherein said reflector is formed on the surface of said photodetector.

20 (Previously Presented). The system of claim 19 wherein said reflector includes a plurality of layers of material coated on said photodetector.

Claims 21-25 (Canceled).